Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An apparatus for holding an organ or tissue for at least one of perfusion, storage, diagnosis and transport of the organ, comprising:

a portable housing, the portable housing including more than one lid that forms a substantially airtight seal with the portable housing; and

an organ or tissue supporting surface configured to support the organ or tissue within the portable housing while allowing effluent medical fluid to pass through the organ or tissue,

wherein the portable housing is configured to be received by at least one of a perfusion device, a transporter and a diagnostic device,

wherein the portable housing includes one or more openings configured to allow tubing to pass through the openings and be connected to the organ or tissue, and

wherein each of the lids includes a pressure control valve that allows pressure inside the portable housing to be varied ~~and to be maintained at a desired pressure~~, the pressure control valve being configured to restrict the rate at which external pressure changes are transmitted to the inside of the portable housing.

2. (Previously Presented) The apparatus of claim 1, wherein the portable housing includes more than two pressure control valves.

3. (Original) The apparatus of claim 1, wherein the pressure control valve includes a filter.

4. (Previously Presented) The apparatus of claim 1, wherein the pressure control valve is arranged in each of the lids.

5. (Previously Presented) The apparatus of claim 1, wherein the desired pressure is atmospheric pressure.

6. (Original) The apparatus of claim 1, wherein the portable housing further comprises a pressure sensor.

7. (Previously Presented) The apparatus of claim 6, wherein the pressure sensor is configured to maintain the pressure of the effluent medical fluid at a desired pressure.

8. (Original) The apparatus of claim 7, wherein the desired pressure is atmospheric pressure.

9. (Previously Presented) An apparatus for holding an organ or tissue for at least one of perfusion, storage, diagnosis and transport of the organ, comprising:

a portable housing, the portable housing including more than one lid that forms a substantially airtight seal with the portable housing; and

an organ or tissue supporting surface configured to support the organ or tissue within the portable housing while allowing effluent medical fluid to pass through the organ or tissue,

wherein the portable housing is configured to be received by at least one of a perfusion device, a transporter and a diagnostic device,

wherein the portable housing includes one or more openings configured to allow tubing to pass through the openings and be connected to the organ or tissue,

wherein the portable housing includes a closable vent that allows pressure inside the portable housing to be varied, and a pressure control valve that allows the pressure inside the portable housing to be varied, and is configured to restrict the rate at which external pressure changes are transmitted to the inside of the portable housing and to maintain the pressure inside the portable housing at a desired pressure, and

wherein at least one of the lids includes the pressure control valve.

10. (Previously Presented) The apparatus of claim 9, wherein the closable vent includes a filter device.

11. (Previously Presented) The apparatus of claim 9, wherein the closable vent is arranged in each of the lids.

12. (Previously Presented) The apparatus of claim 9, wherein the desired pressure is atmospheric pressure.

13. (Currently Amended) An apparatus for holding an organ or tissue for at least one of perfusion, storage, diagnosis and transport of the organ, comprising:

a portable housing, the portable housing including two lids that each form a substantially airtight seal with the portable housing; and

an organ or tissue supporting surface configured to support the organ or tissue within the portable housing while allowing effluent medical fluid to pass through the organ or tissue,

wherein the portable housing is configured to be received by at least one of a perfusion device, a transporter and a diagnostic device,

wherein the portable housing includes one or more openings configured to allow tubing to pass through the openings and be connected to the organ or tissue,

wherein the portable housing includes at least two devices, each of the at least two devices allows pressure inside the portable housing to be varied and maintained at a desired pressure,

wherein at least one of the lids includes at least one of the two devices, and

wherein one of the devices is a pressure control valve, and another device is a membrane.

14. (Previously Presented) The apparatus of claim 13, wherein the at least two devices are located in one of the lids.

15. (Previously Presented) The apparatus of claim 13, wherein the desired pressure is atmospheric pressure.

16. (Original) The apparatus of claim 13, wherein the membrane is a hydrophobic membrane.

17. (Original) The apparatus of claim 16, wherein pores of the membrane are small enough to prevent bacteria from entering the portable housing.

18. (Previously Presented) The apparatus of claim 13, wherein the membrane is a membrane that is substantially impermeable to at least liquid.

19. (Original) The apparatus of claim 13, wherein the pressure control valve includes a filter.

20. (Original) The apparatus of claim 14, wherein one of the devices is a closable vent and another device is a membrane.

21. (Original) The apparatus of claim 20, wherein the closable vent includes a filter.

22. (Currently Amended) An apparatus for holding an organ or tissue for at least one of perfusion, storage, diagnosis and transport of the organ or tissue, comprising:

a portable housing, the portable housing including two lids that each form a substantially airtight seal with the portable housing; and

an organ or tissue supporting surface configured to support the organ or tissue within the portable housing while allowing effluent medical fluid to pass through the organ or tissue,

wherein the portable housing is configured to be received by at least one of a perfusion device, a transporter and a diagnostic device,

wherein the portable housing includes one or more openings configured to allow tubing to pass through the openings and be connected to the organ or tissue, and

wherein the portable housing includes one or more membranes to allow pressure inside the portable housing to be varied and be maintained at a desired pressure,

wherein each of the lids includes at least one of the membranes.

23. (Previously Presented) The apparatus of claim 22, wherein the membranes are arranged in each of the lids.

24. (Previously Presented) The apparatus of claim 22, wherein the at least one membrane is substantially impermeable to at least liquid.

25. (Withdrawn) A method of at least two of perfusion, storage, and transport of an organ or tissue, comprising:

placing the organ or tissue in a portable housing, the portable housing including more than one lid that forms a substantially airtight seal with the portable housing;

placing the portable housing containing the organ or tissue in a transporter and transporting the organ or tissue in the portable housing in the transporter; without removal of the organ or tissue from the portable housing,

wherein each of the lids includes a pressure control valve that is configured to restrict the rate at which external pressure changes are transmitted to the inside of the portable housing and to maintain the pressure at a desired pressure.

26-27. (Canceled)

28. (Withdrawn) The method of claim 25, wherein the desired pressure is atmospheric pressure.

29. (Withdrawn) The method of claim 25, wherein the pressure control valve is located in each of the lids.

30. (Withdrawn) The method of claim 25, wherein the pressure control valve includes a filter to prevent one or more contaminants from passing through the membrane.

31. (Withdrawn) The method of claim 30, wherein one of the contaminants is

bacteria.

32. (Withdrawn) The method of claim 25, further comprising controlling a pressure inside the portable housing so that the pressure inside the portable housing is substantially equal to a pressure outside the portable housing.

33. (Withdrawn) A method of at least two of perfusion, storage, and transport of an organ or tissue, comprising:

placing the organ or tissue in a portable housing, the portable housing including more than one lid that forms an airtight seal with the portable housing; and

controlling a rate at which external pressure change is transmitted to the portable housing, the controlling including restricting the rate at which the external pressure change is transmitted to an inside of the portable housing,

wherein the pressure change transmitted to the portable housing is controlled by a pressure control device, and each of the lids includes the pressure control device.

34-35. (Canceled)

36. (Withdrawn) The method of claim 33, wherein the pressure control device is a pressure control valve.

37. (Withdrawn) The method of claim 33, wherein the pressure control device is a membrane that is substantially impermeable to at least liquid.

38. (Withdrawn) The method of claim 33, wherein the pressure control device is a closable vent.

39. (Withdrawn) The method of claim 33, further comprising maintaining pressure of the portable housing at a desired pressure.

40. (Withdrawn) The method of claim 39, wherein the desired pressure is atmospheric pressure.

41. (Withdrawn) The method of claim 33, wherein the pressure control device is

located in each of the lids.

42. (Withdrawn) The method of claim 36, wherein the pressure control valve includes a filter to prevent at least one contaminant from entering the portable housing.

43. (Withdrawn) The method of claim 38, wherein the closable vent includes a filter to prevent at least one contaminant from entering the portable housing.

44. (Withdrawn) The method of claim 33, further comprising placing the portable housing containing the organ or tissue in a perfusion apparatus and perfusing the organ or tissue in the portable housing in the organ perfusion apparatus.

45. (Withdrawn) method of claim 44, further comprising placing the portable housing containing the organ or tissue in a transporter and transporting the organ or tissue in the portable housing in the transporter; without removal of the organ or tissue from the portable housing.

46. (Withdrawn) The method of claim 39, further comprising controlling a pressure inside the portable housing so that the pressure inside the portable housing is substantially equal to a pressure outside the portable housing.

47. (Withdrawn) The method of claim 37, wherein the membrane is a hydrophobic membrane.

48. (New) The apparatus of claim 1, wherein the pressure control valve allows pressure inside the portable housing to be maintained at a desired pressure.